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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1-2 (canceled).
3. (currently amended): A method for screening a compound for development of a drug for the treatment of Alzheimer's disease, said method comprising:
- (a) culturing a neuron expressing APP intracellular C terminal domains (AICD) and p53 in a culture medium that is supplemented with cisplatin, wherein said neuron is cultured (i) in the presence of a candidate compound and (ii) in the absence of the candidate compound, respectively, to give cultured neurons;
 - (b) homogenizing the neuron obtained in step (a) cultured neurons to form a cell lysate,
 - (c) contacting the cell lysate with a first antibody, to form an AICD/p53/first antibody immune complex, wherein said first antibody is selected from the group consisting of an anti-AICD antibody and an anti-p53 antibody,
 - (d) detecting and quantifying the AICD/p53/first antibody immune complex from step (c),

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(e) comparing the amount of the AICD/p53/first antibody immune complex formed in the absence of the ~~candidate~~ compound with the amount of the AICD/p53/first antibody immune complex formed in the presence of the ~~candidate~~ compound, and

(f) selecting the ~~candidate~~ compound that decreases the amount of the AICD/p53/first antibody immune complex compared to the amount of the AICD/p53/first antibody immune complex formed in the absence of the compound, wherein said decrease in the amount of the AICD/p53 complex is indicative of the compound inhibiting binding between AICD and p53.

4-12. (canceled).

13. (previously presented): The method according to claim 3, wherein the step (d) is conducted by contacting the AICD/p53/first antibody immune complex with a second antibody, wherein the second antibody is selected from an anti-AICD or an anti-p53 antibody and is different from the first antibody.

14. (new): The method according to claim 3, wherein said compound is selected from the group consisting of nucleic acid, protein, high molecular weight compound, and low molecular weight compound.